

```
import pandas as pd
tips= pd.read_csv('https://raw.githubusercontent.com/YBI-Foundation/Dataset/main/Tips%20Pa
tips.head()
```

	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	Payer Name	CC Numb
0	16.99	1.01	Female	No	Sun	Dinner	2	8.49	Christy Cunningham	35603251686034
1	10.34	1.66	Male	No	Sun	Dinner	3	3.45	Douglas Tucker	44780713797792
									Travis	

```
tips['tip_percentage']=tips['Tip']/tips['Total Bill']*100
tips.head()
```



	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	Payer Name	CC Numb
0	16.99	1.01	Female	No	Sun	Dinner	2	8.49	Christy Cunningham	35603251686034
1	10.34	1.66	Male	No	Sun	Dinner	3	3.45	Douglas Tucker	44780713797792
									Travis	

```
tips['tip_percentage']=tips['tip_percentage'].round(1)
tips.head()
```

	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	Payer Name	CC Numb
0	16.99	1.01	Female	No	Sun	Dinner	2	8.49	Christy Cunningham	35603251686034
1	10.34	1.66	Male	No	Sun	Dinner	3	3.45	Douglas Tucker	44780713797792
									Travis	

```
tips=tips.drop(['Payer Name'], axis=1)
tips.head()
```

	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	CC Number	Payment ID
0	16.99	1.01	Female	No	Sun	Dinner	2	8.49	3560325168603410	Sun2959
1	10.34	1.66	Male	No	Sun	Dinner	3	3.45	4478071379779230	Sun4608

tips.set_index('Payment ID')

	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	CC Number	Payment ID
Sun2959	16.99	1.01	Female	No	Sun	Dinner	2	8.49	3560325168603410	Sun2959
Sun4608	10.34	1.66	Male	No	Sun	Dinner	3	3.45	4478071379779230	Sun4608
Sun4458	21.01	3.50	Male	No	Sun	Dinner	3	7.00	6011812112971320	Sun4458
Sun5260	23.68	3.31	Male	No	Sun	Dinner	2	11.84	4676137647685990	Sun5260
Sun2251	24.59	3.61	Female	No	Sun	Dinner	4	6.15	4832732618637220	Sun2251
...
Sat2657	29.03	5.92	Male	No	Sat	Dinner	3	9.68	5296068606052840	Sat2657
Sat1766	27.18	2.00	Female	Yes	Sat	Dinner	2	13.59	3506806155565400	Sat1766
Sat3880	22.67	2.00	Male	Yes	Sat	Dinner	2	11.34	6011891618747190	Sat3880
Sat17	17.82	1.75	Male	No	Sat	Dinner	2	8.91	4375220550950	Sat17

```
tips=tips.set_index('Payment ID')
tips.head()
```

	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	CC Number	Payment ID
Sun2959	16.99	1.01	Female	No	Sun	Dinner	2	8.49	3560325168603410	Sun2959
Sun4608	10.34	1.66	Male	No	Sun	Dinner	3	3.45	4478071379779230	Sun4608
Sun4458	21.01	3.50	Male	No	Sun	Dinner	3	7.00	6011812112971320	Sun4458

```
tips=tips.reset_index()
tips.head()
```

	index	Total Bill	Tip	Gender	Smoker	Day	Time	Size	Bill Per Person	CC Number
0	0	16.99	1.01	Female	No	Sun	Dinner	2	8.49	3560325168603410
1	1	10.34	1.66	Male	No	Sun	Dinner	3	3.45	4478071379779230
2	2	21.01	3.50	Male	No	Sun	Dinner	3	7.00	6011812112971320
3	3	23.68	3.31	Male	No	Sun	Dinner	2	11.84	4676137647685990